

Safety Data Sheet

1 PRODUCT AND COMPANY IDENTIFICATION

Vendor

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Product Name: FLASH NOTE: Not for sale in California
Revision Date: 4/20/2015
Version: 1

Common Name: Aerosol Gasket Remover
Product Use: Aerosol Gasket Remover

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes - Yes Skin - Yes Inhalation - Yes Ingestion - Unlikely

Target Organs: Eyes; Kidneys; Liver; Lungs; Peripheral nervous system; Skin; Central nervous system;

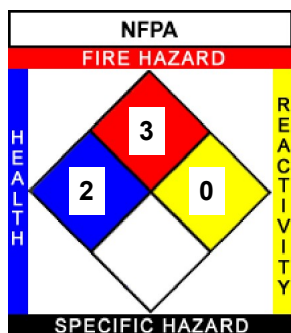
Inhalation: Can cause irritation and inflammation of the respiratory tract. Vapours may cause central nervous system depression. May cause headache, dizziness, stupor and loss of consciousness.

Skin Contact: May cause irritation, de-fatting and dermatitis of skin. Single exposure may result in progressively severe burning sensation and redness. May be absorbed through skin and cause adverse health effects.

Eye Contact: May cause irritation, pain and mild temporary damage.

Ingestion: ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. May cause abdominal pain, malaise and central nervous system effects.

NFPA: Health = 2, Fire = 3, Reactivity = 0
HMIS III: H*2/F3/PH0



HMIS III		
HEALTH	<input checked="" type="checkbox"/>	2
FLAMMABILITY		3
PHYSICAL HAZARDS		0
PERSONAL PROTECTION C Safety Glasses, Gloves, Apron		

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 2
Health, Acute toxicity, 5 Dermal
Health, Aspiration hazard, 2
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 3
Health, Carcinogenicity, 2
Health, Acute toxicity, 3 Oral

GHS Phrases:

H229 - Pressurized container: may burst if heated
H223 - Flammable aerosol
H313 - May be harmful in contact with skin
H305 - May be harmful if swallowed and enters airways
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H301 - Toxic if swallowed

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing.

P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

CONDITIONS AGGRAVATED BY EXPOSURE: Organ (heart, lung, kidney) and skin conditions.

LISTED CARCINOGENS: OSHA - Not listed IARC - Yes NTP - Yes

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
75-09-2	60-80%	Dichloromethane
106-97-8	10-20%	n-Butane
67-56-1	4-6%	Methanol
74-98-6	1-10%	Propane
112-80-1	<0.5%	9-Octadecenoic acid

4 FIRST AID MEASURES

Inhalation:	Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
Skin Contact:	Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flammability:	Flammable per Flame Projection Test
Flash Point:	Not applicable (concentrate) / -156°F (-104.4°C) (propellant)
Flash Point Method:	Estimated
Burning Rate:	Not available.
Autoignition Temp:	Not established
LEL:	Not available.
UEL:	Not available. Not available.

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

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ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

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HANDLING AND STORAGE

Handling Precautions:

HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Storage Requirements:

Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container.

Store in accordance with NFPA 30B for LEVEL 3 AEROSOL.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use ventilation adequate to keep exposures below recommended exposure limits.

Personal Protective Equip:

HMIS PP, C | Safety Glasses, Gloves, Apron

Eyes Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

EXPOSURE LIMITS

INGREDIENTS	OSHA-PEL	ACGIH-TLV	OTHER
Dichloromethane	25 ppm	50 ppm	
n-Butane	Not established	800 ppm	
Methanol	200 ppm	200 ppm	250 ppm STEL
Propane	Not established	1000 ppm	
9-Octadecenoic acid	Not established	Not established	

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear colorless liquid
Physical State:	Mixture packaged in pressurized aerosol spray can.
Odor:	ether-like
Solubility:	Insoluble in water
Spec Grav./Density:	1.17 - 1.27 g/ml
Percent Volatile:	97.3 %
Heat Value:	12.24 kJ/g (estimated)
Boiling Point:	Not established
Flammability:	Non-flammable (concentrate)
Flash Point:	Not applicable (concentrate) / -156°F(-104.4°C) (propellant)
Vapor Pressure:	Not established
pH:	Not applicable
VOC:	26.1%
Evap. Rate:	Not established
Auto-Ignition Temp:	Not established

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STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Heat, sparks, open flames and temperatures above 120°F
Materials to Avoid:	Reactive metals such as aluminum and magnesium, sodium, and strong oxidizing agents
Hazardous Decomposition:	carbon dioxide, carbon monoxide, hydrocarbons, chlorine, hydrochlorides and phosgene,
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

No product toxicological information is available.

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ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

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DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

14**TRANSPORT INFORMATION**

DOT Class: Flammable Gas (2.1) #2.1

UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, flammable

DOT

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable

IATA

UN Number	UN1950
UN proper shipping name	Aerosols, flammable (Methylene Chloride)
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	6.1
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

IMDG

UN Number	UN1950
UN proper shipping name	Aerosols, flammable (Methylene Chloride)
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	6.1
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	
Marine pollutant	Yes

15**REGULATORY INFORMATION****COMPONENT / (CAS/PERC) / CODES**

*Dichloromethane (75092 60-80%) CERCLA, HAP, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

*n-Butane (106978 10-20%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

*Methanol (67561 4-6%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Propane (74986 1-5%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

*9-Octadecenoic acid (9Z)- (112801 0.5-2%) PA, TSCA

REGULATORY KEY DESCRIPTIONS

 CERCLA = Superfund clean up substance
 HAP = Hazardous Air Pollutants
 MASS = MA Massachusetts Hazardous Substances List
 NJHS = NJ Right-to-Know Hazardous Substances
 NRC = Nationally Recognized Carcinogens
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 PRIPOL = Clean Water Act Priority Pollutants
 PROP65 = CA Prop 65
 SARA313 = SARA 313 Title III Toxic Chemicals
 TOXICPOL = Clean Water Act Toxic Pollutants
 TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
 TSCA = Toxic Substances Control Act
 TXAIR = TX Air Contaminants with Health Effects Screening Level
 TXHWL = TX Hazardous Waste List

Proposition 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is known to contain chemical(s) currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.

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